

Supporting information 1

**Thermal [2+2]-Cycloaddition between Silyl Alkynes and Allenyl Phenols followed by
Nucleophilic Addition of Water; Metal-Free and Economical Synthesis of Arylcyclobutenals**

Shohei Ohno[#], Ramon Francisco Avena [#],

Hiroshi Aoyama, Hiromichi Fujioka, and Mitsuhiro Arisawa*

Graduate School of Pharmaceutical Sciences,

Osaka University,

Yamada-oka 1-6, Suita, Osaka, 565-0871 JAPAN

[#] S. O. and R. F. A. contributed equally to this work.

arisaw@phs.osaka-u.ac.jp

















































